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| **Domain** | **Grade 1** | **Grade 2** | **Grade 3** |
| Counting and Cardinality |  |  |  |
| Operations and Algebraic  Thinking | * Represent and solve problems involving addition and subtraction. * Understand and apply properties of operations and the relationship between addition and subtraction. * Add and subtract within 20. * Work with addition and subtraction equations. | * Represent and solve problems involving addition and subtraction. * Add and subtract within 20. * Work with equal groups of objects to gain foundations for multiplication. | * Represent and solve problems involving multiplication and division. * Understand properties of multiplication and the relationship between multiplication and division. * Multiply and divide within 100. * Solve problems involving the four operations, and identify and explain patterns in arithmetic. |
| Number and Operations  in Base Ten | * Extend the counting sequence. * Understand place value. * Use place value understanding and properties of operations to add and subtract. | * Understand place value. * Use place value understanding and properties of operations to add and subtract. | * Use place value understanding and properties of operations to perform multi-digit arithmetic. |
| Number and Operations—Fractions |  |  | * Develop understanding of fractions as numbers. |
| Measurement and Data | * Measure lengths indirectly and by iterating length units. * Tell and write time. * Represent and interpret data. | * Measure and estimate lengths in standard units. * Relate addition and subtraction to length. * Work with time and money. * Represent and interpret data. | * Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects. * Represent and interpret data. * Geometric measurement: understand concepts of area and relate area to multiplication and to addition. * Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures. |
| Ratios and Proportional  Relationships |  |  |  |
| The Number System |  |  |  |
| Expressions and Equations |  |  |  |
| Functions |  |  |  |
| Geometry | * Reason with shapes and their attributes. | * Reason with shapes and their attributes. | * Reason with shapes and their attributes. |
| Statistics and Probability |  |  |  |